ABSTRACT

[025]   Conventional routing switchers have employed a fixed architecture, i.e. the input and output connectors of the switching matrix are fixed in function. Prior art routing switchers use fixed matrix sizes. This invention uses a variable input/output architecture to enable multiple matrix sizes to be implemented in a single product. Switches are used to connect a subset of input and output connectors to either an input pin or an output pin. These switches allow users to select the number of input connectors and output connectors available for their particular application. The invention enables a single product to replace a range of routing switchers of different sizes. The user can also reconfigure the routing switcher size should application requirements change. This allows the user to configure the routing switcher matrix size to exactly meet the application requirements.

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